Wallops Island Fire Station

Responses to Industry Questions Received After Posting Invitation for Bid (IFB)
NNG15533004R

15. What is the depth of the concrete floor?

NASA RESPONSE: If the contractor is referring to the new facility, the thickness of the concrete floor is as indicated on the drawings. If the contractor is referring to Building V-25, assume the concrete floor is 8" thick, as well as the concrete pavement associated with note 2 on sheet C-101.

16. What is the depth of the existing asphalt?

NASA RESPONSE: Existing asphalt associated with note 3 on sheet C-101 can be assumed to be not less than 2" and no more than 4" thick.

17. Is there a weight limit on the bridge?

NASA RESPONSE: Bridge Load Limits can be found in Attachment H to the IFB posted at http://prod.nais.nasa.gov/eps/eps_data/163859-SOL-001-012.pdf

18. At this point, has the project been registered with LEED Online?

NASA RESPONSE: Yes the project has been registered with LEED Online.

19. If so, who registered the project/ who is the LEED administrator through the website at this point?

NASA RESPONSE: Sustainable Building Partners (SBP), Fairfax, VA.

20. Has the design submission review process for LEED been completed and is there a LEED scorecard confirming the credits anticipated for the design portion of the project?

NASA RESPONSE: Yes, the design submission review process for LEED has been completed and there is a LEED scorecard confirming the credits anticipated for the design portion of the project. It is on Sheet A-001 of the drawings.

21. Also, without reading the specifications, has a commissioning agent been assigned for the project prior to us getting involved? It appears they are going after the enhanced commissioning LEED points, so I'm leaning yes. And who is the commissioning agent?

NASA RESPONSE: The commissioning agent has not been assigned but will be SBP or sub-contracted through that company.

22. Drawings E-001, Electrical Legend (Cont.)-The contract document legend indicates speaker strobes. The specification makes no mention of the system being a voice notification system. Is the fire alarm system standard horn/strobe notification or is it voice notification?

NASA RESPONSE: The fire alarm system will be a horn/strobe system. An amendment will be issued for Drawing E-001, Electrical Legend (Cont.), on right hand side of sheet, Symbol "A", and symbol "AV": change the word "speaker", to "horn" at each of these two symbols where they occur under "Description".

23. Sheet E-002 – What size are the primary conduits and what size are the primary conductors required from the power grid to the primary side of the new pad mounted transformer?

NASA RESPONSE: See drawing number 16874 from "North Island Electrical Upgrade" plans (attached). The Fire Station transformer is shown as "proposed location of pad mounted transformer." Dvorak is responsible for installation of the 200A primary junction enclosure near the island fire station transformer and the fire station Contractor is responsible for installing the medium voltage feed out of it to the building transformer. See drawing number 16874 (PCP-8) from "North Island Electrical Upgrade" plans. The conduit should be 4" and encased in concrete. The medium voltage cable consists of (3) 1-C 1/0 133% XLP with continuous tape shield plus 1/0 bare copper ground.

24. Sheet E-002 – How far is it from the power grid connection point to the new pad mounted transformer?

NASA RESPONSE: See drawing number 16874 (PCP-8) from "North Island Electrical Upgrade" plans.

25. Sheet E-002 – The service entrance rated ATS is located on the second floor of the building in Room 209 and it serves as the main service disconnecting means. NFPA 70 NEC Article 230.70(A) (1) states, "The service disconnecting means shall be installed at a readily accessible location either outside of a building or structure or inside nearest the point of entrance of the service conductors." Running the service entrance conductors inside of the building from the point at which they leave the 1st floor slab and are terminated at the ATS would be a code violation unless NASA instructs the contractor to encase the service entrance conduits and conductors in concrete with a thickness which meets the requirements of NFPA 70 NEC Article 230.6.

NASA RESPONSE: NASA's interpretation of the NEC leads us to believe that the automatic transfer switch does not serve as the "service disconnecting means" and is not subject to the same requirements referenced in Article 230.70.

Per definitions of "Service Point, Service Equipment, and Service Conductors" in Article 100 of the NEC, the service point for all of Wallops is back at the medium voltage interconnect with ANEC at U12, not within each individual building. As a result, concrete encasement is not required.

26. On drawing E-003 “electrical panel schedules” The panelboard schedules are confusing. (see attached) As an example Panelboard R1 in the top right hand column the “MAINS TYPE” is listed as MLO which stands for Main Lug Only. Yet just below this listing is “MAINS / MCB: 225A”. This seems to be a contradiction in information provided on the drawings and is typical of all of the panel schedules. Are the panelboards MLO or do they have a Main Circuit Breakers? Please clarify. This is typical of all panels listed on drawings E-003 & E-004

NASA RESPONSE: “MAINS TYPE”: MLO and “MAINS/MCB RATING”: 225A refers to a main lug only panelboard with a minimum bus rating of 225A. In a review of the drawings, we do not see any panelboards listed as “MAINS TYPE”: MCB or having a main circuit breaker. All are main lug only (MLO).

27. Drawing P-101 shows layout of Oil Interceptor. However I do not find where an Oil Interceptor detail showing either a plan and/or elevation view of the installation details has been provided. Please provide a detail showing Oil Interceptor installation.

NASA RESPONSE: Refer to notes for “Oil/sand separator” under “Miscellaneous Equipment Schedule (Basis of Design)” on sheet P-001 for further information on the installation of this fixture, and install in accordance with manufacturer’s recommendations.

28. Will the Army Corps of Engineers be managing this project for NASA?

NASA RESPONSE: No. The Amy Corps of Engineers will not be managing this project for NASA.

29. Please confirm the bid time as 2:30pm on April 14th.

NASA RESPONSE: This was confirmed in answer to Question #8 posted March 23, 2015.